

Project Title	Funding	Strategic Plan Objective	Institution
1/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$720,372	Q3.S.A	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
The genetic basis underlying the phenotype heterogeneity of the 16p11.2 CNV	\$37,550	Q3.S.A	University of Washington
Rapid Phenotyping for Rare Variant Discovery in Autism	\$589,746	Q3.S.A	University of California, Los Angeles
3/4 - The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$263,975	Q3.S.A	University of Pittsburgh
Genomic influences on developmental course and outcome in Infants at risk of ASD: A Baby Siblings Research Consortium (BSRC) Study	\$148,802	Q3.S.A	University of Alberta
Genomic influences on development and outcomes in Infants at risk of ASD	\$0	Q3.S.A	University of Alberta
4/4 The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$674,849	Q3.S.A	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Sporadic Mutations and Autism Spectrum Disorders	\$647,900	Q3.S.A	University of Washington
Autism subtypes by gene characterization	\$368,757	Q3.S.A	University of Washington
An exploration of genetic and behavioral variables in Autism Spectrum Disorder	\$45,000	Q3.S.A	Center for Autism and Related Disorders (CARD)
2/4-The Autism Sequencing Consortium: Autism gene discovery in >20,000 exomes	\$415,893	Q3.S.A	BROAD INSTITUTE, INC.
Dosage effects of 22q11 region on autism-relevant neural systems	\$60,000	Q3.S.A	University of California, Los Angeles
Prenatal Timing of Heavy Metal Exposures from Autistic and Non-Autistic Children	\$231,692	Q3.S.B	University of Texas Health Science Center, San Antonio
The Role of Germline Mutation and Parental Age in Autism Spectrum Disorders	\$184,715	Q3.S.C	UNIVERSITY OF CALIFORNIA SAN DIEGO
THE CHARGE STUDY: CHILDHOOD AUTISM RISKS FROM GENETICS AND THE ENVIRONMENT	\$1,114,894	Q3.S.C	University of California, Davis
The Role of Germline Mutation and Parental Age in Autism Spectrum Disorders	\$747,236	Q3.S.C	UNIVERSITY OF CALIFORNIA SAN DIEGO
Air pollution, MET genotype and ASD risk: GxE Interaction in the EMA Study	\$150,000	Q3.S.C	Kaiser Permanente
Prenatal and Neonatal Biologic Markers for Autism	\$784,863	Q3.S.C	KAISER FOUNDATION RESEARCH INSTITUTE
Autism Risk, Prenatal Environmental Exposures, and Pathophysiologic Markers	\$1,793,611	Q3.S.C	University of California, Davis
Perinatal exposure to airborne pollutants and associations with autism phenotype	\$166,100	Q3.S.C	University of Southern California
THE CHARGE STUDY: CHILDHOOD AUTISM RISKS FROM GENETICS AND THE ENVIRONMENT	\$212,604	Q3.S.C	University of California, Davis
Autism Genetics, Phase II: Increasing Representation of Human Diversity	\$2,728,166	Q3.S.D	University of California, Los Angeles
Novel Proteomics Approach to Oxidative Posttranslational Modifications Underlying Anxiety and Autism Spectrum Disorders	\$65,859	Q3.S.E	Sanford Burnham Medical Research Center

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PROTEOMIC MAPPING OF THE IMMUNE RESPONSE TO GLUTEN IN CHILDREN WITH AUTISM	\$0	Q3.S.E	Columbia University
CII Autism Program: Maternal and child infection and immunity in ASD	\$0	Q3.S.E	Columbia University
Environmental exposure unveils mitochondrial dysfunction in autism	\$0	Q3.S.E	University of California, Davis
Prevalence and patterns of medical co-morbidity and healthcare use before ASD diagnoses in children	\$0	Q3.S.E	Kaiser Foundation Research Institute
Organophosphorus pesticides interact with ASD-linked neuroligins to alter synapto	\$55,094	Q3.S.F	University of California, Davis
Pesticide Exposure and Childhood Autism	\$184,503	Q3.S.F	University of California, Los Angeles
The impact of maternal inflammation during pregnancy on placental tryptophan metabolism, and the downstream consequences on fetal brain development	\$25,000	Q3.S.F	University of Southern California
Risk factors, comorbid conditions, and epidemiology of autism in children	\$0	Q3.S.H	Henry M. Jackson Foundation
A Prospective Birth Cohort Study on Pre- and Peri-natal Determinants of Autism Spectrum Disorders and Developmental Disabilities	\$499,999	Q3.S.H	Johns Hopkins University
Prenatal folic acid and risk for autism spectrum disorders	\$252,345	Q3.S.H	Emory University
Investigation of Transgenerational Neurodevelopmental Impacts of Gestational Pharmaceuticals	\$0	Q3.S.H	Institute of Preventive Medicine at Frederiksberg Hospital
Early life environmental exposures and autism in an existing Swedish birth cohort	\$149,992	Q3.S.H	Drexel University
Early life vitamin D levels and risk of autism spectrum disorders	\$174,243	Q3.S.H	DREXEL UNIVERSITY
Neonatal Biomarkers in Extremely Preterm Babies Predict Childhood Brain Disorders	\$2,857,573	Q3.S.H	BOSTON MEDICAL CENTER
Very early behavioral indicators of ASD risk among NICU infants: A prospective study	\$149,986	Q3.S.H	Institute for Basic Research in Developmental Disabilities
Gestational Metabolic Conditions and Autism	\$74,844	Q3.S.H	University of California, Davis
Gestational exposure questionnaire validation and feasibility study	\$0	Q3.S.H	University of California, Davis
Parental Exposures to Occupational Asthmagens and Risk of Autism Spectrum Disorders	\$29,500	Q3.S.H	Johns Hopkins University
Epidemiological Research on Autism in Jamaica - Phase II	\$564,795	Q3.S.H	UNIVERSITY OF TEXAS HLTH SCI CTR HOUSTON
Concluding Follow-up of Families Enrolled in the EARLI Cohort	\$60,667	Q3.S.H	Drexel University
Is Jaundice in Premature Infants a Risk Factor for Autism?	\$191,875	Q3.S.H	University of Rochester
In utero antidepressant exposures and risk for autism	\$348,000	Q3.S.H	Massachusetts General Hospital

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Prospective Evaluation of Air Pollution, Cognition, and Autism from Birth Onward	\$545,679	Q3.S.H	UNIVERSITY OF SOUTHERN CALIFORNIA
Prenatal factors and risk of autism in a Finnish national birth cohort	\$579,293	Q3.S.H	Columbia University
Prenatal Androgen in Meconium and Early Autism Spectrum Disorder Related Neurodevelopmental Outcomes	\$29,409	Q3.S.H	Drexel University
Defining the underlying biology of gastrointestinal dysfunction in autism	\$0	Q3.S.I	University of California, Davis
Modeling gut microbial ecology and metabolism in autism using an innovative ex vivo approach	\$0	Q3.S.I	University of Guelph
Modeling Gut Microbial Ecology and Metabolism in Autism Using an Innovative Ex Vivo Approach	\$0	Q3.S.I	University of Guelph
Autism, GI symptoms and the enteric microbiota	\$263,666	Q3.S.I	The Research Foundation of the State University of New York
Elevated urinary p-cresol in small autistic children: causes and consequences	\$13,120	Q3.S.I	Universita Campus Bio-Medico di Roma
Detection of clostridium perfringens toxins in the gut flora of autistic children	\$25,000	Q3.S.I	VA Medical Center, Los Angeles
Investigating the Gut Microbiome for Novel Therapies and Diagnostics for Autism	\$558,136	Q3.S.I	CALIFORNIA INSTITUTE OF TECHNOLOGY
Role of the Intestinal Microbiome in Children with Autism	\$29,000	Q3.S.I	Massachusetts General Hospital
Identifying Biomarkers of GI Morbidity in ASD: Linking Multi-omics and Human Behavior	\$238,997	Q3.S.I	Baylor College of Medicine
Human neurobehavioral phenotypes associates with the extended PWS/AS domain	\$601,636	Q3.S.J	BAYLOR COLLEGE OF MEDICINE
5-hydroxymethylcytosine-mediated epigenetic regulation in autism	\$200,000	Q3.S.J	Emory University
5-Hydroxymethylcytosine-mediated epigenetic regulation in autism spectrum disorders	\$0	Q3.S.J	Emory University
GABA Epigenomes in Autism	\$215,389	Q3.S.J	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
In Vivo Function of Neuronal Activity-Induced MeCP2 phosphorylation	\$284,524	Q3.S.J	University of Wisconsin
Epigenetic DNA modifications in autistic spectrum disorders	\$82,002	Q3.S.J	Johns Hopkins University
Mechanisms of Valproic Acid-Induced Neurodevelopmental and Behavioral Defects	\$309,594	Q3.S.J	University of Maryland
Epigenetic and Transcriptional Dysregulation in Autism Spectrum Disorder	\$531,208	Q3.S.J	University of California, Los Angeles
Project 2: Perinatal Epigenetic Signature of Environmental Exposure	\$103,544	Q3.S.J	University of California, Davis

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Methylomic and genomic impacts of organic pollutants in Dup15q syndrome	\$341,921	Q3.S.J	University of California, Davis
Methylomic and genomic impacts of organic pollutants in Dup15q syndrome	\$30,731	Q3.S.J	University of California, Davis
CHD5 dosage in epigenetic control of Cancer, Infertility, and Autism	\$283,500	Q3.S.J	COLD SPRING HARBOR LABORATORY
Genome-wide examination of DNA methylation in autism	\$149,999	Q3.S.J	Johns Hopkins University
Are endocrine disrupting compounds environmental risk factors for autism?	\$237,750	Q3.S.J	GEORGE WASHINGTON UNIVERSITY
Regulation of gene expression through complex containing AUTS2	\$93,908	Q3.S.J	New York University
Exploring Interactions between Folate and Environmental Risk Factors for Autism	\$118,717	Q3.S.J	University of California, Davis
Mutations in heterochromatin-related genes in autism	\$0	Q3.S.J	Hebrew University of Jerusalem
Evaluating the Functional Impact of Epigenetic Control Related Genes Mutated in both Schizophrenia and Autism	\$30,000	Q3.S.J	Columbia University
Epigenetic Regulation of Gene Expression and DNA Methylation Associated with Autism Spectrum Disorders	\$0	Q3.S.J	Johns Hopkins University
Transcriptional and Epigenetic Signatures of Human Brain Development and Autism	\$1,542,279	Q3.S.J	Yale University
Conservation of imprinting for autism-linked genes in the brain	\$0	Q3.S.J	University of Utah
The role of the epigenetic regulator Brd4 in neuronal function and autism	\$51,530	Q3.S.J	ROCKEFELLER UNIVERSITY
Project 2: The impact of assisted reproductive technologies on the long-term epi	\$266,000	Q3.S.J	UNIVERSITY OF HAWAII AT MANOA
Histone Methylation Mapping in Autism	\$29,500	Q3.S.J	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
PCBs interact with mTOR signaling to disrupt neuronal connectivity in zebrafish	\$53,282	Q3.S.K	University of California, Davis
Cellular and Synaptic Dissection of the Neuronal Circuits of Social and Autistic Behavior	\$30,000	Q3.S.K	University of Coimbra
Effects of advanced paternal age on germline genome stability	\$33,035	Q3.S.K	University of North Carolina
Gene by Environment Influences on Forebrain Development	\$29,056	Q3.S.K	UNIVERSITY OF SOUTHERN CALIFORNIA
Simons Simplex Collection support grant	\$10,000	Q3.L.B	University of Washington
Sequencing Female-enriched Multiplex Autism Families (FEMFs)	\$353,610	Q3.L.B	Johns Hopkins University
Simons Simplex Collection support grant	\$4,134	Q3.L.B	University of Illinois at Chicago

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1/3 - Sequencing Autism Spectrum Disorder Extended Pedigrees	\$298,000	Q3.L.B	University of Utah
Pieces of the Puzzle: Uncovering the Genetics of Autism	\$374,636	Q3.L.B	Broad Institute, Inc.
Accelerating Autism Genetics via Whole Population Ascertainment in Denmark	\$504,821	Q3.L.B	Broad Institute, Inc.
Computational tools to analyze SNP data from patients with mental illness	\$120,877	Q3.L.B	PARTEK, INC.
Genome Sequencing pilot of Simons Simplex Collection	\$100,643	Q3.L.B	University of Washington
Whole exome sequencing of Simons Simplex Collection quads	\$0	Q3.L.B	University of Washington
Genetic basis of phenotypic variability in 16p11.2 deletion or duplication	\$281,679	Q3.L.B	University of Washington
3/3-Sequencing Autism Spectrum Disorder Extended Pedigrees	\$160,000	Q3.L.B	UNIVERSITY OF PENNSYLVANIA
Autism Spectrum Disorders: Genomes to Outcomes	\$133,500	Q3.L.B	The Hospital for Sick Children
Mutations in noncoding DNA and the missing heritability of autism	\$275,697	Q3.L.B	University of California, San Diego
Dosage effects of DUF1220 gene subtype CON1 in autism	\$62,500	Q3.L.B	University of Colorado, Denver
Simons Simplex Collection support grant	\$10,000	Q3.L.B	Vanderbilt University
Complex Genetic Architecture of Chromosomal Aberrations in Autism	\$248,999	Q3.L.B	Massachusetts General Hospital
Cryptic chromosomal aberrations contributing to autism	\$65,125	Q3.L.B	Massachusetts General Hospital
Genetic Epidemiology of Complex Traits	\$808,519	Q3.L.B	National Institutes of Health
Mitochondria and the etiology of autism	\$175,000	Q3.L.B	Children's Hospital of Philadelphia
Simons Simplex Collection support grant	\$0	Q3.L.B	Boston Children's Hospital
Autism genetics: homozygosity mapping and functional validation	\$765,736	Q3.L.B	CHILDREN'S HOSPITAL CORPORATION
Genetic basis of autism	\$4,000,000	Q3.L.B	Cold Spring Harbor Laboratory
2/3 Sequencing Autism Spectrum Disorder Extended Pedigrees	\$231,750	Q3.L.B	University of Washington
Whole-exome sequencing to identify causative genes for autism	\$134,203	Q3.L.B	Rockefeller University
Genomic influences on development and outcomes in infants at risk for autism	\$171,665	Q3.L.B	University of Alberta
Genomic profiling of autism families using whole-genome sequencing	\$45,280	Q3.L.B	Institut Pasteur
Novel Statistical methods for DNA Sequencing Data, and applications to Autism.	\$318,575	Q3.L.B	Columbia University

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A genome-wide search for autism genes in the SSC UCLA	\$0	Q3.L.B	University of California, Los Angeles
Simons Simplex Collection support grant	\$13,200	Q3.L.B	University of California, Los Angeles
Simons Simplex Collection support grant	\$10,000	Q3.L.B	Baylor College of Medicine
Simons Simplex Collection support grant	\$0	Q3.L.B	Weill Cornell Medical College
Simons Simplex Collection support grant	\$10,000	Q3.L.B	University of Missouri
Simons Simplex Collection support grant	\$0	Q3.L.B	Columbia University
Simons Simplex Collection support grant	\$0	Q3.L.B	Emory University
Identifying genetic variants on the Y chromosome of males with autism	\$0	Q3.L.B	The Hospital for Sick Children
Next Generation Gene Discovery in Familial Autism	\$653,540	Q3.L.B	University of Washington
Identification and analysis of functional networks perturbed in autism	\$125,000	Q3.L.B	Columbia University
Identification of functional networks perturbed in autism	\$0	Q3.L.B	Columbia University
Elucidating pathogenic mutations disrupting RNA regulation in autism	\$112,500	Q3.L.B	Columbia University
Molecular Characterization of Autism Gene CHD8 in Shaping the Brain Epigenome	\$0	Q3.L.B	Boston Children's Hospital
Genome-wide analysis of cis-regulatory elements in autism	\$125,000	Q3.L.B	Washington University in St. Louis
Simons Simplex Collection support grant	\$10,000	Q3.L.B	McGill University Health Centre- Montreal Children's Hospital
Illumina, Inc.	\$0	Q3.L.B	Illumina, Inc.
High-throughput Screening of Novel Trinucleotide Repeat Expansion in Autism Spectrum Disorders	\$0	Q3.L.B	The Hospital for Sick Children
DEVELOPING NEW STATISTICAL METHODS TO DETECT RARE VARIANTS INVOLVED IN NEUROPSYCHIATRIC DISORDERS	\$497,683	Q3.L.B	National Institutes of Health
Simons Simplex Collection support grant	\$10,000	Q3.L.B	Yale University
Sequence-based discovery of genes with pleiotropic effects across diagnostic boundaries and throughout the lifespan	\$29,995	Q3.L.B	Massachusetts General Hospital
Investigating the role of somatic mutations in autism spectrum disorders	\$139,366	Q3.L.B	Oregon Health & Science University
Identifying Patterns of Genetic Variants Conferring Risk for Neurodevelopmental Disorders	\$0	Q3.L.B	Pennsylvania State University
PLACENTAL IDENTIFICATION AND IMMUNE QUANTIFICATION OF ACUTE AND/OR CHRONIC INFLAMMATION IN CHILDREN DIAGNOSED WITH PLACENTAL AUTISM IN UNIVERSITY AND COMMUNITY HOSPITALS	\$0	Q3.L.C	Institute for Basic Research in Developmental Disabilities

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Prenatal PBDE exposure and ASD-related developmental outcomes in the EARLI cohort	\$150,000	Q3.L.C	Drexel University
Prenatal antidepressants and autism spectrum disorder	\$0	Q3.L.C	Cincinnati Children's Hospital Medical Center
Population-Based Autism Genetics & Environment Study	\$655,813	Q3.L.D	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - California	\$1,100,000	Q3.L.D	Kaiser Foundation Research Institute
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - North Carolina	\$1,100,000	Q3.L.D	University of North Carolina
Community-based study of autism spectrum disorders among 7-9 y old children in rural Bangladesh	\$0	Q3.L.D	Johns Hopkins University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Maryland	\$1,600,000	Q3.L.D	Johns Hopkins University
Project 1: Epidemiology and the Environment in Autism (Hertz-Picciotto)	\$143,217	Q3.L.D	University of California, Davis
The Roles of Environmental Risks and GEX in Increasing ASD Prevalence	\$537,756	Q3.L.D	Yale University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Pennsylvania	\$1,100,000	Q3.L.D	University of Pennsylvania
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Data Coordinating Center	\$850,000	Q3.L.D	Michigan State University
Multigenerational Familial and Environmental Risk for Autism (MINERVA) Network	\$971,085	Q3.L.D	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
The UC Davis Center for Children's Environmental Health and Disease Prevention	\$639,214	Q3.L.D	University of California, Davis
Parental Age and Schizophrenia Susceptibility	\$115,500	Q3.L.D	University of California, Los Angeles
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Colorado	\$1,100,000	Q3.L.D	Colorado Department of Health and Environment
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Georgia	\$893,091	Q3.L.D	Centers for Disease Control and Prevention (CDC)
A history of behavioral genetics	\$0	Q3.Other	University of Pittsburgh
Non-Coding RNAs in Autism	\$205,365	Q3.Other	UNIVERSITY OF SOUTHERN CALIFORNIA
Dissemination of Early Life Exposure Assessment Tool (ELEAT)	\$57,500	Q3.Other	University of California, Davis
Gene-brain-environment interactions: Predicting social skill heterogeneity in ASD	\$49,850	Q3.Other	University of California, Los Angeles
Improving Environmental Risk Communication in Autism Spectrum Disorders	\$34,424	Q3.Other	Drexel University
Discovery and Functional Characterization of Gene Regulatory Networks (GRNs) of Autism Risk Genes	\$57,900	Q3.Other	Children's Hospital Los Angeles

